Photo documentation cell cultures using Canon PowerShot S45

Method

Position camera/C-mount on microscope (Leitz Labovert FS) and swich on camera (by opening the lens cover).
Establish USB connection between PC and camera, and video connection between B/W monitor and camera (using the mini-jack).

Best results are obtained when microscope is in phase contrast mode.

Start RemoteCapture (Start > All Programs > Canon Utilities > RemoteCapture 2.6 > Remote Capture)

In the Shooting – RemoteCapture window

1. Camera > Camera Display Settings > select Video Out Terminal
2. Size/Quality: Medium1/Superfine (average size of 800 kb/picture)
3. Shooting modes adjustment tab
    - White balance: tungsten
    - ISO Speed: 200
    - Adjust Exposure time
4. Angle adjustment tab:
    - press ‘Viewfinder on’ button
    - Zoom 3 units
    - Sharpen image using the monitor
    - press release button

The Folder to which Images are Downloaded can be changed in the Save Shooting – RemoteCapture window:

1. File > Preferences
2. Store images preferably under c:\CanonRemoteCapture\